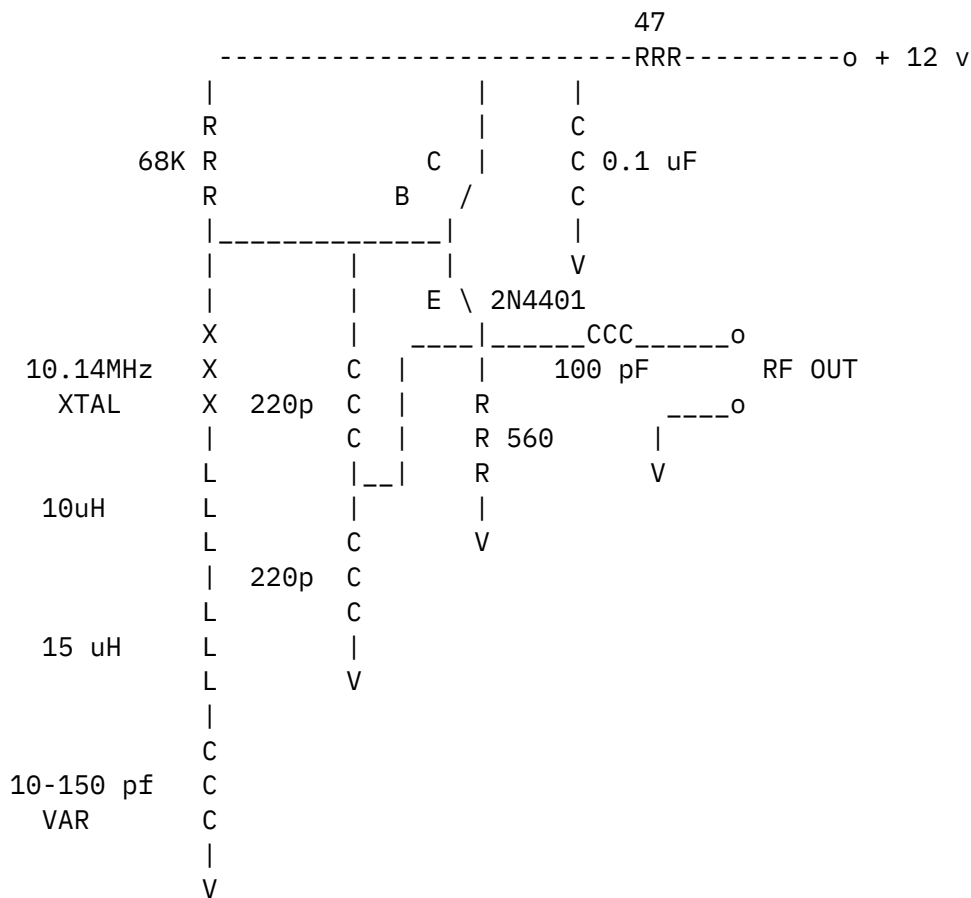


From owner-qrp-1@netcom.com Thu May 18 02:06:58 1995
 From: JEVERHART@cayman.vf.mmc.com
 Date: Wed, 17 May 1995 22:06:58 -0400 (EDT)
 Message-Id: <950517220658.2028d1cf@carib.vf.mmc.com>
 Subject: RE: 30M/VX0

Ok, as promised, here's the VX0 circuit for the 10.140 recycled CB radio crystal.



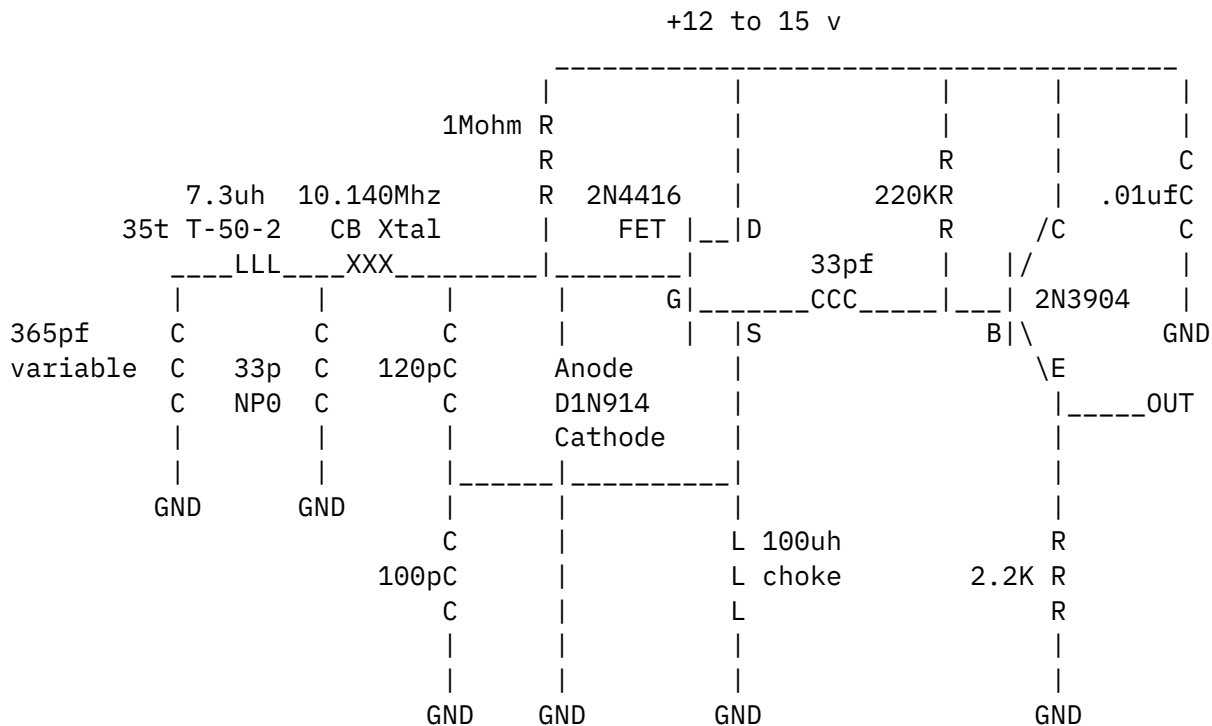
As I said in my earlier message, It's basically just an ordinary crystal colpitts circuit with a capacitor in series with the crystal to tune it and several chokes to increase the tuning range. Although not shown, it's probably a good idea to use an emitter follower buffer to minimize loading by succeeding stages. With the values show above, I was able to pull one of the 10.140 MHz crystals over a stable range of 10.109 to 10.138 MHz. I can GUARANTEE that other crystals will have a different tuning range, even if they came from the same manufacturing run! One of these days I'll get around to writing a more comprehensive article on variable crystal oscillators. Until then,

Joe E. N2CX

 $1>$

Looked in back issues of HAM RADIO to find in January 1982 (with errata in July 1982, pg. 8) an article by Frank Noble W3MT on a VXO idea. He uses a pi-section to increase the effective inductance of the coil used to rubber the crystal. Pretty neat. One disadvantage is that output voltage goes down at the lower frequency end.

Rubbery range is about 10.104 - 10.143



Glen Leinweber VE3DNL leinwebe@mcmail.mcmaster.ca

4 |

From owner-qrp-l@netcom.com Thu May 18 17:48:00 1995

From: JEVERHART@cayman.vf.mmc.com

Date: Thu, 18 May 1995 13:48:00 -0400 (EDT)

Message-Id: <950518134800.20291d13@carib.vf.mmc.com>

Subject: RE: another 30M VX0

Glen, you wrote, in part:

> Looked in back issues of HAM RADIO to find in January 1982
> (with errata in July 1982, pg. 8) an article by Frank Noble W3MT
> on a VX0 idea. He uses a pi-section to increase the effective inductance
> of the coil used to rub the crystal. Pretty neat. One disadvantage
> is that output voltage goes down at the lower frequency end.
>
> Rubbery range is about 10.104 - 10.143

Yes, I've seen the circuit. Mike C., WA8MCQ was kind enough to tell me about it. I'm also familiar with several other methods using pi-networks to achieve wide range and I'm working with some of them. The amplitude change is something that's fairly easy to change, but there was something else that I didn't like about the Noble circuit. Thanks for the reminder, I'll go back and check on it.

72/73,

Joe E. N2Cx

From owner-qrp-l@netcom.com Thu May 18 21:28:26 1995

Date: Thu, 18 May 1995 14:28:26 -0700 (PDT)

From: patrick cook <kb0oxd@netcom.com>

Subject: Re: bikeham-digest V1 #46 (fwd)

Message-Id: <Pine.3.89.9505181426.A10218-0100000@netcom2>

Hi guys and gals:

I plucked this off the bikeham listserver. Can anyone help him out???
If so, drop him a line. I'm sure he'd appreciate it.

73's for now, my friends!

DE KB00XD

----- Forwarded message -----

Date: Wed, 17 May 1995 14:47:13 -0400

From: Bilbee@aol.com

To: bikeham@cycling.org

Subject: Re: bikeham-digest V1 #46

Looking for a NorCal Sierra? If you can afford \$500 or so buy a QRP plus machine. Supposed to be great.

-- Bil Paul KD6JUI

P.S. I plan to take my Sierra on its first bike trip this coming weekend. I've built a companion unit (also in a Sierra cabinet) which contains SWR meter, antenna tuner (handles coax, balanced line and single line), solar charge controller, and 1.2 amp hours of battery. The bike trip will be an overnigher. Hope to build a dual-band inverted V antenna to take along.

From owner-qrp-1@netcom.com Mon May 15 21:05:03 1995

Date: Mon, 15 May 1995 21:05:03 GMT

From: Dick G0BPS <dick@kanga.demon.co.uk>

Message-Id: <10432@kanga.demon.co.uk>

Subject: Creative Labs help pse

Hi gang,

Got a small problem here,

Does anyone have an email address

for Creative Labs of Milpitas CA ???

TTFN de Dick

--

```
*****
*   Dick G0BPS / G0R00 / 9H3JX  Kanga Products  *
*           Email to Dick@kanga.demon.co.uk      *
*           Packet msgs to me via GB7RMS         *
*   or even write a letter to me via snail mail  *
*                                           *
*   isn't this "communications hobby" wonderful! *
*****
```

From owner-qrp-1@netcom.com Thu May 18 15:22:08 1995

Date: Thu, 18 May 95 09:22:08 MDT
From: miker@cc.com (Mike Robinson)
Message-Id: <9505181522.AA27000@cc.com >
Subject: Curtis 8044ABM

I still have some Curtis 8044ABM chips available.
\$17 shipped in the US48.
\$2 for a 'Simplest Possible Keyer' circuit board.

They are \$19.95+shipping when purchased singly from
Mouser or Curtis.

e-mail off list

```
=====
7.3 de Michael aa0ub          | QRP:
miker@cc.com                 Norcal #857 | "This thing's a radio?"
=====
```

From owner-qrp-l@netcom.com Thu May 18 06:03:09 1995
Date: Thu, 18 May 95 08:53:09 MEZ
From: Urs Schlegel <schlegel@ccgate.ari.ch>
Message-Id: <9505180853.A09778@ccgate.ari.ch>
Subject: Re: Delta Loop Alternative to G5RV/Window

To the QRP-List

>Duffey KK6MC/5 wrote
>I would suggest that you look at a delta loop fed with open wire feeders
>as an alternative to either a G5RV or Window.

I agree with Duffey. On my 2.QTH (portable use) I use a 43.5m (143'?) long
delta loop, made of insulated wire, the tip of the delta is approx. 10m
(30') above ground, the leg opposite the tip is about 2m (7') above ground.
I feed the loop near the "ground" leg, 1.5m (5') from the corner, in
direction to the tip, to gain a low angle radiation. The loop loads on
everything between 80m and 10m with a MFJ (mighty fine... made from...?)
portable tuner. I run 300 ohm twinlead from the feedpoint to the tuner. The
loop is very quiet and performs well even tough, I can not present you any
QRP galore... :-))

de HB9HAU schlegel@ccgate.ari.ch

From owner-qrp-1@netcom.com Thu May 18 12:34:12 1995
Date: Thu, 18 May 95 8:34:12 EDT
Message-Id: <heH8+c3oijA@PAMDT.ANG.AF.MIL>
From: <CBAILEY@PAMDT.ANG.AF.MIL> (MSgt Cameron C.R. Bailey)
Subject: RE: DELTA LOOP ALTERNATIVE.....

I built my first delta loop when I was about 8 years old.

I strung about 200 feet of Dad's intercom wire around the basement of the house. My transmitter was a 60 Hz 1800watt (Volt/amp) receptacle outlet!

The reason, just to see what it would do of course!

After the insulation all burned off, and the smoke started to clear, my mother yells down the stairs, "What are you doing down there"?

My answer...."Nothing Mom".

Thomas Edison was my hero.

72 de kt3a...still a kid at heart.

Cam Bailey
SOGNET LAN Administrator (Banyan)
211 Engineering Installation Squadron
Fort Indiantown Gap (Annville) PA
DSN: 491-8737 Comm: 717-861-8737 FAX: 8268

From owner-qrp-1@netcom.com Thu May 18 01:29:50 1995
From: JEVERHART@cayman.vf.mmc.com
Date: Wed, 17 May 1995 21:29:50 -0400 (EDT)
Message-Id: <950517212950.2028d1cf@carib.vf.mmc.com>
Subject: RE: Digital QRP Experiences

Jay, you wrote, in part:

> The 160-190 KHz Experimenter's Band:
> (For you list police, this is not a ham band... arrest me!) It is legal to
> run 1 watt and any mode on this band. A few years back, I copied the RTTY
> and packet signals from WD4PLI's 183 kHz station, about 17 miles away.

> Again, no great DX record but it was interesting to see 1-watt data signals
> (pure groundwave signals) punch through the high noise level on this band.
> (Those LOWFERS* ought to get with it and set up a chain of packet nodes).
> *Low Frequency Experimental Radio

Ah, yes, LF. You may be interested to know that the Gummint already has a packet network in that part of the spectrum! It's called GWEN, the Ground Wave Network and it has a network of nodes coast to coast that operate between 150 and 175 kHz. If you listen anywhere in that band you are likely to hear several transmissions over the course of an hour or so. Don't expect to decode anything interesting, because its a military system with the expected encoding to ensure message security. Thse suckers are STRONG! They use 5 kw xmtrs with antenna systems that are at least 40% efficient. That goes a long way at LF.

OB QRP. I see from the latest QST that ARRL is proposing a ham band at 160 to 190 kHz, in place of the current "no-license" operation. I suppose that it will have the same 50 foot antenna and 1 watt restrictions along with a secondary allocation. Woner if they know that half of that band is essentially unusable?

72/73,

Joe E. N2CX

From owner-qrp-l@netcom.com Thu May 18 12:17:45 1995
Message-Id: <199505181217.IAA05756@jfwhome.funhouse.com>
Subject: Re: Digital QRP Experiences
Date: Thu, 18 May 1995 08:17:45 -0400
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

> > The 160-190 KHz Experimenter's Band:
> OB QRP. I see from the latest QST that ARRL is proposing a ham band at 160
> to 190 kHz, in place of the current "no-license" operation. I suppose that it
> will have the same 50 foot antenna and 1 watt restrictions along with a
> secondary allocation.

Actually, what would be the point of declaring it an amateur band with those restrictions, considering that amateurs are already entitled to use it under those restrictions? About the only thing you can't do is identify yourself with your callsign in a way that makes it sound like you believe you're operating under the authority of Part 97.

> Woner if they know that half of that band is essentially unusable?

Actually, I believe some of the Lowfers have been making use of that part of the band, thanks to very low speed narrow bandwidth coherent techniques:

using WWVB as a synchronizing signal, I think they've been able to achieve hundredth-hertz (that's not a lithp there :-)) bandwidth filtering and as of the article I read in the premier issue of Comm. Q. a couple of years back, were expecting their first 1000 mile contact fairly soon. Of course, we're talking a full week just to receive a three ASCII character "callsign", but still it's 1000 miles per watt on an incredibly noisy band.

From owner-qrp-l@netcom.com Thu May 18 10:51:51 1995
Date: Thu, 18 May 95 06:51:51 EDT
From: mitchell@dtcs70.dtc.kodak.com (Brad Mitchel)
Message-Id: <9505181051.AA05189@dtcs70.dtc.kodak.com>
Subject: Favorite Ten Tec Rig??

Hey guys, I'm gaining a little experience with Ten Tec rigs.

I had a pm3a for a short time, and now have an Argosy 525. I saw an add for a corsair in one of my 80's 73 mags, and realize I have the Ten Tec fever.

Just out of curiosity, what are your favorite Ten Tec Rigs, and why?? I may be in the future looking for others to mess with, so I'm interested. At some point, I would like to find a beater rig, and bring it back to life. Anyway, just curious.

Thanks, es 73 Brad, WB8YGG

From owner-qrp-l@netcom.com Thu May 18 13:18:36 1995
Date: Thu, 18 May 1995 06:18:36 -0700
Message-Id: <199505181318.GAA23463@ix2.ix.netcom.com>
From: gamma7@ix.netcom.com (J. Duffy Beischel)
Subject: Fwd: MFJ 9420 SSB Rig

I bought the MFJ 9420 at Dayton. I was really impressed with the rig. Brought it home on Friday night and worked a number of stations with 55 to 57 reports. Antenna is a Butternut Vertical. Received good, strong reports on the transmit audio. I also agree the the receive audio is very strong. Only minor complaint is that the receiver could be more selective. This radio is a real winner and the CW option is also a plus.

My only complaint is that MFJ stopped with 20 meters. This thing would

be great in an 80 and 40 version, and maybe even a 15 meter version when the sunspots increase. In fact, MFJ would go crazy selling this rig in a six meter version. Can you imagine the demand!

I wrote to Steve Pan, VP at MFJ, about their products and my feedback for increasing the line of SSB radios. I spoke with Steve at Dayton and told him about a problem with one of their recently acquired products. He said to send it back to him directly.

In my letter to him I outlined my comments about a feeling that their quality seems to be decreasing. The comments were meant to be constructive feedback to help them. I really want MJF to succeed.

Anyway, I like the 9420.

Regards,

Duffy - WB8NUT

----- Begin Forwarded Message

Return-Path: <owner-qrp-l@netcom.com>

Received: from mail4.netcom.com by ix4.ix.netcom.com
(8.6.12/SMI-4.1/Netcom)

id WAA07191; Wed, 17 May 1995 22:22:54 -0700

Received: by mail4.netcom.com (8.6.12/Netcom)

id RAA05695; Wed, 17 May 1995 17:40:33 -0700

Received: from peach.epix.net by mail4.netcom.com (8.6.12/Netcom)

id RAA05596; Wed, 17 May 1995 17:39:54 -0700

From: rarland@epix.net

Received: (rarland@localhost) by peach.epix.net (8.6.10/950112.08ccg)

id UAA09319; Wed, 17 May 1995 20:36:17 -0400

Date: Wed, 17 May 1995 20:36:16 -0400 (EDT)

To: low power comm <qrp-l@netcom.com>

Subject: MFJ 9420 SSB Rig

Message-ID: <Pine.SUN.3.91.950517203222.8972A-1000000@peach.epix.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Sender: owner-qrp-l@netcom.com

Precedence: list

Anyone out there have any experience with the MFJ 9420X SSB rig?

I just got one today on product review....hooked it up to the TH7 and called "CQ 20" and worked Mark, N9FZZ, near Chicago. 57 reports bothways

with only slight QSB. We held the freq (14.175) for almost a half hour and had a great QSO!

I am impressed with my initial exposure to this rig. It needs RIT and has a slight amount of drift, but it works just fine. Receive audio is good, and the 4 pole Xtal filter seems to work just fine under normal band conditions.

Plan to use this rig in the Subaru and on my mountain bike.

72 rich

From owner-qrp-1@netcom.com Thu May 18 01:39:27 1995
Date: Wed, 17 May 1995 18:39:27 -0700
Message-Id: <199505180139.SAA22464@mailhost.primenet.com>
From: aa7qy@PrimeNet.Com (Roger Hightower)
Subject: Re: How to join NORCAL?

I'm forwarding this to the net for info. 73, de Roger, AA7QY.

>To: "Mark E. Monninger" <markem@PrimeNet.Com>
>From: aa7qy@primenet.com (Roger Hightower)
>Subject: Re: How to join NORCAL?

>

>>I've been procrastinating on joining NORCAL and now that the Cascade
>>orders are being taken, I really need to do it. What's the procedure
>>for joining? Can I do it via email? Is there an application I need to
>>fill out? Where can I get one? Can I send in my membership app and
>>Cascade order at the same time? Dontcha just hate people who only
>>ask questions?

>>

>>Thanks & 73..... Mark AA7TA

>>

>Hi Mark (and all copy to addressees)..If you want to join NorCal, it's
>easy. Just send a letter to Jim Cates, WA6GER, 3241 Eastwood Road,
>Sacramento, CA 95821. It's free, and then you can get on the order
>list for their kits. If you want to quarterly newsletter, send \$10.00
>(recent price increase) for a fine, 68 page mag with pictures and all
>sorts of good stuff. Make the check out to Jim Cates (The club has no
>account) and you are all set. To get the June issue of QRPP, you should
>get the check to Jim no later than 5/31.

>

>Jim is not on e-mail...have to use snail mail. 73, de Roger.
>
aa7qy@primenet.com rhigh@aztec.asu.edu Ham Radio: AA7QY@KC7Y.AZ.USA.NA

From owner-qrp-1@netcom.com Thu May 18 11:59:00 1995
Subject: How to join NORCAL?
From: brian.carling@acenet.com (Brian Carling)
Message-Id: <2a6.24471.500@acenet.com>
Date: Thu, 18 May 1995 06:59:00 -0500

From: brian.carling@acenet.com

MEM>I've been procrastinating on joining NORCAL and now that the Cascade
MEM>orders are being taken, I really need to do it. What's the procedure
MEM>for joining? Can I do it via email? Is there an application I need to
MEM>fill out? Where can I get one? Can I send in my membership app and
MEM>Cascade order at the same time? Dontcha just hate people who only
MEM>ask questions?

MEM>Thanks & 73.... Mark AA7TA

Be sure to NOT make your check out to NorCal!
They will send it back! You have to make it out to one
of the guys as they don't have a NorCal bank account.
Mine was sent back & I have not found time to resend it yet!

~ SLMR 2.1a ~ You CAN trust the government; Ask any Indian!

From owner-qrp-1@netcom.com Thu May 18 02:46:25 1995
Date: Wed, 17 May 1995 19:46:25 -0700
Message-Id: <199505180246.TAA06405@mailhost.primenet.com>
From: markem@PrimeNet.Com (Mark Monninger)
Subject: Joining NORCAL - THANKS!

Thanks to all the many people who responded to my question about joining
NORCAL. I plan to get the check in the mail to Jim tonight.

Looking forward to all the neat stuff in QRPP...and the Cascade.

73... Mark AA7TA

From owner-qrp-1@netcom.com Thu May 18 18:47:03 1995
Message-Id: <199505181749.KAA12356@interval.interval.com>
Date: Thu, 18 May 1995 10:47:03 -0800
From: burdick@interval.com (Wayne Burdick)
Subject: Lexan case for NorCal 40A, etc.

I just had a lexan (polycarbonate) clear top and bottom made for my NorCal 40A for demo purposes, and it is really beautiful. The plastic was formed by Fabmaster in Redwood City, California. The lexan is the same thickness as the aluminum (.060) and it looks and fits perfect; the bends were made by hand using a heating process so that the inside radius is very small--around 0.020. I kept the aluminum front and back panels.

Two caveats:

1. It isn't cheap: \$75 for one top and bottom cover. But if you buy 50 of them for any particular rig, the price drops to under \$5 per set.
2. The lexan scratches very easily, so you have to keep the rig in a soft carrying case, not loose in a canvas rucksack.

I'll be happy to steer you towards Fabmaster if you have a rig that you want to have so endowed.

Wayne, N6KR

From owner-qrp-1@netcom.com Thu May 18 00:36:16 1995
From: rarland@epix.net
Date: Wed, 17 May 1995 20:36:16 -0400 (EDT)
Subject: MFJ 9420 SSB Rig
Message-Id: <Pine.SUN.3.91.950517203222.8972A-100000@peach.epix.net>

Anyone out there have any experience with the MFJ 9420X SSB rig?

I just got one today on product review....hooked it up to the TH7 and called "CQ 20" and worked Mark, N9FZZ, near Chicago. 57 reports bothways with only slight QSB. We held the freq (14.175) for almost a half hour and had a great QSO!

I am impressed with my initial exposure to this rig. It needs RIT and has a slight amount of drift, but it works just fine. Receive audio is good, and the 4 pole Xtal filter seems to work just fine under normal band

conditions.

Plan to use this rig in the Subaru and on my mountain bike.

72 rich

From owner-qrp-1@netcom.com Thu May 18 16:24:16 1995
Date: Thu, 18 May 95 11:24:16 CDT
From: msdooley@collie.aud.alcatel.com (Michael S. Dooley)
Message-Id: <9505181624.AA24794@collie.aud.alcatel.com>
Subject: Re: MFJ-941D modification

> >Gang,
> > To those who were interested (or not so interested) in the mod I did
> >to the MFJ941D I need to add one important piece of information.
>
> Did you post details of the mod? If so, I missed it. If not, could you email
> the info to me?
>
I haven't posted details yet, but I've had several requests. I'll put something
brief together and post it (hopefully) tomorrow. For those I promised snail
mail to, fear not! I will follow through and get it off to you! just might
not be till the weekend... P-)
Mike KE4PC

From owner-qrp-1@netcom.com Thu May 18 13:06:48 1995
Date: Thu, 18 May 1995 08:06:48 -0500 (EST)
From: David Moody <MOODY@admin.rose-hulman.edu>
Subject: Re: Modest Proposal (on SMC kits)
Message-Id: <01HQN309QQ3KHTRWYV@ADMIN.Rose-Hulman.EDU>

IN%"cebik@utkvx.utk.edu" wrote:

>In any event, a short course, emphasizing tools and techniques for the
>various component types available would be a very popular item, I
>believe, for even those who might decide against extensive SMC
>construction would want to know more about what they are against and up
>against.

I would love an SMC kit for QRP or just ham radio in general. This stuff
is great and if you are breadboarding with it, (well, on that scale) you
can make very dense circuits.
Everyone has mentioned construction techniques with SMC, but there is one
soldering technique that I haven't really seen anyone mention, and that is

reflow. A good heat gun, proper solder and flux, pre-tinned parts, a level surface, and you can do an entire board in a very short time. Just don't sneeze. ;-)

I have used this to build a small tx based on 74xx ICs that runs about 35mW. Use T12 toroids, and fairly fine wire, and you can get pretty small. You do have to watch out. Those little parts don't dissipate heat as well as the larger components.

Still, isn't using new (any?) technology in new and interesting ways what a big part of this hobby is all about?

Hmm, wasn't there a first part to this post? Something about committees or something...hmmm, oh well, must not have been important. :-) ;-) :-)

72, David Moody, KD8NY, C'mon Field Day

```
-----
David A. Moody           | E-mail: David.Moody@Rose-Hulman.edu
Admin. Programmer/Analyst | Finger: mgrdam@crux.Rose-Hulman.edu
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))
Wk Ph: 812.877.8183      |
-----
```

Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From owner-qrp-1@netcom.com Thu May 18 13:32:54 1995
Date: Thu, 18 May 1995 06:32:54 -0700 (PDT)
From: Electronic Design Magazine <dmalinak@CLASS.ORG>
Subject: Re: Modest Proposal/SMT rig - SurfBoard
Message-Id: <Pine.SUN.3.91.950518062806.22605A-100000@class.class.org>

There is an outfit in Phoenix called ECode Systems that makes a product called the Surfboard. It has variable-size pads for small-outline ICs and can accept both 300-mil- and 400-mil-wide packages with up to 32 leads. The board comprises a 100-mil matrix of 80-mil pads. It has solder plating over 1-oz copper on both sides. They go for about \$20 in small lots or for \$15 in lots of 25 or more.

If anyone is interested in this, you can contact ECode at 602-870-8063.

I don't know where else you saw this, but it was published in the May 1 issue of Electronic Design.

The usual disclaimer: I have no interest, financial or otherwise, in ECode Systems. I do, however, have an interest in Electronic Design.

72/73 David N2SMH
Components and Packaging Editor

From owner-qrp-l@netcom.com Thu May 18 23:11:27 1995
Date: Thu, 18 May 1995 16:11:27 -0700 (PDT)
From: patrick cook <kb0oxd@netcom.com>
Subject: Re: Other Lists
Message-Id: <Pine.3.89.9505181611.A10218-0100000@netcom2>

Hello QRP-L Gang:

Due to the OVERWHELMING requests for this information (more than I thought there would be), I am making one last forward as to how to subscribe to the bikeham listserver, which is a listserver run by the BMHA (Bicycle Mobile Hams of America), and this one is to the ENTIRE listserver here. If you need the information again after it's posted, for whatever reason (you'd better make it a GOOD one, though :)), just email me directly.

To subscribe to the listserver, here's all you need to do:

- 1). Prepare an email message addressed to majordomo@cycling.org
- 2). IN THE BODY OF YOUR MESSAGE--Enter ONLY the following command:

subscribe bikeham
- 3). Send the message.

Like all other listservers I know, you do NOT need to put ANYTHING in the subject area (unless your system requires it, then you can put a bunch of gibberish), as this area is ignored by majordomo.

Like all other listservers I know, you will receive an email message from majordomo welcoming you to bikeham. It will also tell you how to UNSUBSCRIBE yourself from the list, should you wish to do so.

And, last, but not least, like all listservers I know, it will also send you a message that tells you that you have successfully subscribed to the listserver (Why they do this, I have no idea :-]).

Hope this helps. If you have any further questions, please indicate so by return email.

In response to your query as to why I didn't PUBLICLY post it is because I wasn't sure if there would be enough interest to do so, however, since you're the third person who's asked, I just may go ahead and post it publicly. The response has been so overwhelming, I LOVE IT!!!

NOT!!!!!! :-)

73's for now (and an advance "welcome"), my friends!

DE KB00XD

From owner-qrp-l@netcom.com Thu May 18 12:05:00 1995
Message-Id: <9505181207.AA21559@ig1.att.att.com>
From: mvjfm@mvubr.att.com (James M Fitton 508 960 2577)
Date: 18 May 95 08:05:00 -0400
Subject: Pixie

qrp-l

I have not followed the thread of Pixie talk on qrp-l, but mine puts out 300 mw on transmit and probably 30? mw on receive. It causes severe TVI both on receive and transmit.

Nice low cost TV jammer, and you can make contacts on it too !

W1FMR

From owner-qrp-l@netcom.com Wed May 17 23:08:46 1995
Date: Wed, 17 May 1995 16:08:46 -0700
From: myers@bigboy73.west.sun.com (Dana Myers)

Subject: Re: Pixie 2....The Bad News?....

```
> I will admit that I have not put my scope on the output of my 300 mw Pixie.
```

> And also it's been a while since I calibrated my OHR QRP wattmeter.

>

>

> Doug Demaws W1FB column in the latest issue of CQ magazine. He really gets

> in their designs. It appears spectrally that the single and double stage

```
> look what this new design software is doing to our hobby....
```

[illegible]

I'm not sure what this means. Modeling output networks is pretty straightforward; even modeling the output amplifier is not terribly difficult. Getting an idea about the spectral purity of a given transmitter is not difficult.

Of course, a wavemeter (i.e., a tuned wattmeter) is extremely valuable to investigate harmonic energy. DeMaw describes this in Solid State Design, as I recall.

Message-Id: <n1411384248.91880@msmailgw1.arlut.utexas.edu>

From: "rohre" <rohre@arlut.utexas.edu>

Subject: Pixie and looking at waveform

I think I know what may have caused one member to see a distorted waveform from hooking up a wattmeter and scope to the Pixie.

I suspect the Wattmeter and load had a diode circuit partly rectifying the output of the Pixie because of a shunt circuit effect. In other words, the wattmeter detector of course also rectifies!

This caught me before and I am embarrassed to say how much troubleshooting was done before we realized that if a sine wave source has a diode hung across it, it will look pretty strange on a scope!

From owner-qrp-1@netcom.com Thu May 18 14:50:36 1995
Message-Id: <9505181454.AA11032@garnet.inel.gov>
Date: Thu, 18 May 1995 08:50:36 -0600
From: LVE1@inel.gov (Larry East)
Subject: Re: Pixie and looking at waveform

>I think I know what may have caused one member to see a distorted waveform from
>hooking up a wattmeter and scope to the Pixie.

>

>I suspect the Wattmeter and load had a diode circuit partly rectifying the
>output of the Pixie because of a shunt circuit effect. In other words, the
>wattmeter detector of course also rectifies!

>

>This caught me before and I am embarrassed to say how much troubleshooting was
>done before we realized that if a sine wave source has a diode hung across it,
>it will look pretty strange on a scope!

>

Don't believe a properly designed Watt meter should distort the rig output
-- unless there is something strange going on in the rig's output network.
Anyway, I haven't seen that effect with my OH WM-1 Wattmeter in series with
an xmter output terminated at the input of my scope.

72, Larry W1HUE/7
LVE1@inel.gov

From owner-qrp-1@netcom.com Thu May 18 01:29:05 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: QRP ARCI status?
Date: Wed, 17 May 95 20:29:05 EST5EDT
Message-Id: <1995May17.202905.12488@wb3ffv.ampr.org>

Anyone having trouble with their QRP Quarterly subscription or QRP ARCI
membership can contact Mike Bryce, WB8VGE via e-mail at

73357.222@compuserve.com

He is the membership chairman (and publicity officer) for the QRP ARCI,
as well as QRP columnist for 73 magazine.

73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org

E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Thu May 18 23:00:00 1995
Message-Id: <m0sCEYg-000MjJC@linux.acsys.com>
Date: Thu, 18 May 95 17:00 MDT
From: sims@usa.acsys.com (dave sims)
Subject: qrp test message; please ignore

test message; please ignore

sorry for the occupation of bandwidth

From owner-qrp-l@netcom.com Thu May 18 14:33:08 1995
Date: Thu, 18 May 1995 09:33:08 -0500 (CDT)
From: Jeff Gold <JMG@tntech.edu>
Subject: qrp+
Message-Id: <01HQN60JM7CYFA0AT8@tntech.edu>

Well,

looks like I have enough definites for a while to have my QRP+
sold if it ever comes in.

Anyone have a recent update on the order status?

73

Jeff, AC4HF

From owner-qrp-l@netcom.com Thu May 18 01:41:43 1995
From: JEVERHART@cayman.vf.mmc.com
Date: Wed, 17 May 1995 21:41:43 -0400 (EDT)
Message-Id: <950517214143.2028d1cf@carib.vf.mmc.com>
Subject: RE: QRP-L Rig

Doug,

Excellent, excellent piece. I think you have fully described the ideal way for
the process to go. We don't want to squelch any good ideas here on the qrp

list, I think of the current discussion thread as "brainstorming" that is part of the group dynamics in problem-solving. The next step involves a strong "idea champion" distilling some of the ideas into his own vision of how to proceed, the setting up some sort of group structure with goals, responsibilities, etc. to go forward. Kinda tough to do in a far-flung volunteer organization, but Doug has given us a roadmap based on his proven skill!

Darn, this is getting to sound so much like WORK. Lets just not set up quality circles and empowerment groups, OK?

72,73,

Joe E. N2CX

From owner-qrp-l@netcom.com Thu May 18 10:45:00 1995
Date: Thu, 18 May 1995 08:15:00 -0230
Message-Id: <199505181045.IAA29866@public.compusult.nf.ca>
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: RE: QRP-L Rig

Joe,

Ahhh quality circles - I thought we'd never get around to that..... ;-)

73/72 Bob V01DRB/WA6ERB

>Darn, this is getting to sound so much like WORK. Lets just not set up quality
>circles and empowerment groups, OK?

>

>72,73,

>

>Joe E. N2CX

>

From owner-qrp-l@netcom.com Thu May 18 13:20:19 1995
Message-Id: <9505181320.AA20434@us4rnc.pko.dec.com>
Date: Thu, 18 May 95 09:20:19 EDT
From: "N100Q Tom R. @ MR01 18-May-1995 0901" <randolph@improv.enet.dec.com>
Subject: series vs parallel VFO tank

Hi gang,

Anyone ever compare series and parallel oscillator tanks? I've been doing this, sort of casual, nothing too controlled or scientific, for the VFO of the receiver I'm building.

DeMaw and Hayward like the series LC combination in "Solid State Design" and the QRP Notebooks, as it's supposed to be less drifty. The larger L value is supposed to help swamp stray circuit L.

Strangely, I've found exactly the opposite... with no other circuit changes other than the tank itself, the parallel version is much, much more stable. In fact, the series version was horribly drifty! After 30 minutes it was not even close to stable yet, and had drifted 3 KHz or more! The parallel version, even using the same inductor, settled right down in 10 minutes, and only drifted a couple of hundred Hz.

Maybe I'm doing something strange, but there it is, anyway. For what it's worth, the osc is a colpitts, 2N4416 JFET, all caps are NP0, the L is a type 6 toroid or an air-core coil of #22, I tried both. Power comes from a bench supply, regulated at the osc with a 9V Zener.

-Tom R. N100Q randolph@est.enet.dec.com

From owner-qrp-l@netcom.com Thu May 18 17:24:33 1995
Date: Thu, 18 May 95 09:24:33 PST
From: TLeonard@ccmgate.mti.com (Leonard, Tim)
Message-Id: <9504188008.AA800814273@ccmgate.mti.com>
Subject: Re: series vs parallel VFO tank

Tom,
The key to either design is the voltage divider cap size. They are the ones who swamp out the capacitance change of the fet junction. Depending on the size, they can range from 500 to 1000 pf each. As an example, I have taken a heath HG10 vfo, replace the tube with an mpf102 jfet and of course changed the supply voltage. It has a total drift from cold start to one hour of 100 hertz. The swamping capacity is about 530 pf as I remember.

One final comment, I have found that toroids are not as stable as either air or ceramic formed coils. I prefer an air core wound on a ceramic form and have found that the most stable l's can be made using coil forms from an old Johnson series boatanchor.

Tim AA6DQ

From owner-qrp-1@netcom.com Thu May 18 17:02:33 1995
Date: Thu, 18 May 1995 17:02:33 +0000
From: david@rmit.edu.au (David Taylor)
Subject: The NE602 - good or bad?
Message-Id: <01HQNMBCRUAQ06NYI@pitvax.xx.rmit.edu.au>

Hi QRPers,

My thoughts on the NE602 question: surely the part is not 'bad' - it just has a set of specs that makes it either suitable or not for a particular application.

I have a couple of these chips and intend to try them soon in an NN1G type Rx with a crystal ladder filter using 1.8432MHz ex-computer rocks. I have just tested some and found four that fall within a 23Hz range, so am about to empirically design a filter. Reviewed the chapter in 'Solid State Design' last night so am ready and confident ;-)

I have not used an NE602 front end Rx before so **do not** claim to be an expert, but feel that if the Rx were used in a quiet radio area then front end dynamic range is not a big issue. I am fortunate that the nearest Ham I've heard on HF (a Novice on 80m CW, like me!) is 25km away - I don't have several kilowatt neighbours like the legendary kilowatt alley in California.

Similarly, for portable operation the rig should be fine, unless a club event was working several bands at the same site. A well designed input bandpass filter and attenuator should help performance.

I guess I've just defined the problem with the '602 - it may be a useful receiver mixer in some situations but won't be in all due to overload and intermod problems. Those who seek to design an all-purpose, take anywhere rig that may be built and used by anyone would need a stronger front end.

I'm still going to try the NN1G Rx though!

David Taylor	Amateur Radio: VK3JKP
Computer Centres	CW Ops QRP Club (VK, No 423)
RMIT (Bundoora Campus)	Internet: david@rmit.edu.au
Melbourne 3083 Australia	

From owner-qrp-l@netcom.com Thu May 18 16:55:17 1995
From: pablo@rmece02.upr.clu.edu
Message-Id: <9505181655.AA14307@claudia.upr.clu.edu>
Subject: tks for reply
Date: Thu, 18 May 1995 11:55:17 -0500 (EST)

HI gang

Many thanks to all of you who replied to my message abt bad luck on 40 meters. I'll make some experiments following ur suggestions. For now I have converted me 40m sloper dipole into an inverted L, i have some power lines passing near my backyard my antanna is 90degrees with respect to these lines. I think this should't be the problem. the results of the experiments will be posted later since I'm having final exams, quite busy right now!! agn thanks!

72

Pablo - WP4JXD

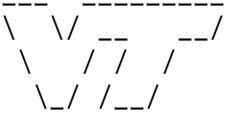
The Shining Star of The Caribbean, Puerto Rico!!!

From owner-qrp-l@netcom.com Thu May 18 13:39:12 1995
Message-Id: <199505181338.GAA17659@mail3.netcom.com>
Date: Thu, 18 May 1995 09:39:12 -0400
From: pelt@vt.edu (Randy Pelt)
Subject: Re: Tree time & other vagaries of the mind

Check out the giant sling shot in the May (?) issue of QST. This looks great for slinging objects over trees. I too have lost many a good wrench in the top limbs :-).

Sorry...try April CQ :-).

*Ranson J. Pelt CPA,CBA	*
*Internal Audit Manager	*
*Virginia Tech 0328	*
*Blacksburg, VA 24061	*
*(703) 231-9475 FAX (703) 231-4681	*
*	*
*QST de nz4i ex w4wyt	*
Semper Fi	*



From owner-qrp-l@netcom.com Thu May 18 22:38:48 1995
Date: Thu, 18 May 1995 15:38:48 -0700 (PDT)
From: patrick cook <kb0oxd@netcom.com>
Subject: Re: Tree time & other vagaries of the mind
Message-Id: <Pine.3.89.9505181541.A10218-0100000@netcom2>

Hi all:

On Wed, 17 May 1995, Jeffrey D. Stai wrote:

>
> Go to your local toy store and get one of these "nerf" foam
> footballs with the foam tail. I don't recall the brand name,
> but there is a picture of John Elway on the package. You can
> tie your line to the tail and throw that sucker a LONG way.
>
> And no one gets hurt...;-)

Look at it this way, at least he'll get to throw a TOUCHDOWN pass without
ever being in a football game. :) heheheh

73's for now, my friends!

DE KB0OXD

P.S.: The above comment was a joke, and is intended SOLELY for that purpose.

From owner-qrp-l@netcom.com Wed May 17 21:08:21 1995
From: N4JE0@aol.com
Date: Wed, 17 May 1995 17:08:21 -0400
Message-Id: <950517170818_122237668@aol.com>
Subject: Re:Windom/G5RV/???

I have tried a number of center-fed all-band antennas, but not the G5RV.
Currently my antenna is about 130' center-fed with 450 ohm ladder line. It
is the best of the all-banders so far. Since the SWR will be high on some
bands, keeping the losses down is the name of the game. The ladder line
helps there, but it has other advantages over coax: it doesn't cost nearly as
much, it's not as heavy, and there is no shield braid or PL-259 to get loaded
with water. (No matter what method of waterproofing I used, there was always
some water in the connector when I did maintenance every couple of years.

It's no fun peeling coax seal or RTV off a connector either.) It isn't as hard as people let on to feed ladder line into the shack. Use some ingenuity. Pay some attention to your tuner no matter which antenna you use.

For a balanced feed, a link-coupled tuner would be good. I'm slowly building one, but my MFJ 948 with a homebrew balun is doing fine now.

Rob

N4JE0@aol.com